

Title (en)

HEAD-UP DISPLAY AND MOVING BODY EQUIPPED WITH HEAD-UP DISPLAY

Title (de)

HEADUP-ANZEIGE UND MIT DER HEADUP-ANZEIGE AUSGESTATTETER, BEWEGLICHER KÖRPER

Title (fr)

DISPOSITIF D'AFFICHAGE TÊTE HAUTE ET CORPS MOBILE ÉQUIPÉ DUDIT DISPOSITIF D'AFFICHAGE TÊTE HAUTE

Publication

**EP 3757656 A1 20201230 (EN)**

Application

**EP 18907182 A 20180907**

Priority

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- JP 2018030523 A 20180223

Abstract (en)

The present disclosure provides a head-up display presenting a virtual image with less distortion, and achieving size reduction and effectively reducing stray light generated by external light. A head-up display of the present disclosure is a head-up display that projects a display image on a transparent reflecting member to present a visually recognizable virtual image. The head-up display includes: a display device that displays the display image; and a projection optical system that projects the display image displayed on the display device as a virtual image for an observer. On an assumption that light reaching a center of a viewpoint region of the observer and corresponding to a center of the virtual image is reference light, the projection optical system includes a prism element that has an incident surface, a reflection surface, and an emitting surface sequentially in an optical path from the display device. At least either the incident surface or the emitting surface is inclined to the reference light.

IPC 8 full level

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CPC (source: EP US)

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**EP 18907182 A 20180907**; JP 2018033200 W 20180907; JP 2020502005 A 20180907; JP 2022161703 A 20221006; US 202016998378 A 20200820; US 202217852796 A 20220629